

Attention:

Since June 17, 1999 mailing labels are required to be submitted with your project. Having these labels with your application is helpful to you as well as our office. These mailing labels should have the names and addresses of the affected parties along with our mailing code (which is 65-42FC) listed above each affected party listing.

For Example: 65-42FC
 JOHN DEERE
 111 CIRCLE DR
 YOUR CITY IN 44444

Thank You For Your Cooperation!

Dear Applicant:

To complete your construction application, you must submit all the necessary items. If your application materials are incomplete; you will be sent a deficiency notice, your application will be retained for 60 days, and if the information is not received in that time period your application will be denied due to incompleteness. Please complete the following steps.

- * If your company is discharging additional flow to the local waste water treatment facility, submit a wasteload allocation letter from the utility. The letter should say:
 - (1) The peak daily flow rate, in accordance with 327 IAC 3-6-11 (Design flow rate requirements) generated in the area that will be collected by the project system, will not cause overflowing or bypassing in the collection system from locations other than NPDES authorized discharge points.
 - (2) Sufficient capacity exists in the receiving water pollution treatment/control facility to treat the additional daily flow.
 - (3) The receiving water pollution treatment/control facility will remain in compliance with applicable NPDES permit effluent limitations
 - (4) The industrial system, that is the subject of the construction permit application, is to connect to a water treatment/control facility that has been completed and put into operation.
 - (5) The proposed industrial system does not include new combined sewers or a combined sewer extension to existing combined sewers.
- * Complete all the information on the industrial design summary. This should at least include the general information, Part I, and design data, Part II, and also any other section that pertains to your construction.
- * Enclose the proper processing fee. (see attached for schedule)
- * Sign and date the application form and fill out completely. This form can be signed by the owner or a representative.
- * Submit one set of complete plans. Flow charts and or schematic drawings are acceptable plans for solely industrial construction projects.
- * List all affected parties. This list should include adjacent property owners, their names and mailing addresses and mailing labels with the mailing code above each listing.
- * Please be advised that if your project will disturb five (5) or more acres of land area, coverage under 327 IAC 15-5 (Rule 5) is required. Rule 5 is the General Permit for Storm Water Runoff Associated with Construction Activity. Contact Mike Thompson at 317/233-1864 for more information if permit coverage of your project is required.

Please send construction applications to:

Facility Construction Section
Indiana Department of Environmental Management
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015
Attention: **Don Worley**

327 IAC 3.5.5 Wastewater Construction Permit Fees

- A. The following applicants listed below shall remit with each application a fee of fifty dollars (*\$50). These applications must be signed by an official of the entity.

County, Municipality, or Township which is defined as a unit under IC 36-1-2-23 ☐

A Nonprofit Organization ☐

A Conservancy District ☐

A School Corporation that operates a sewage treatment facility ☐

A Regional Water or Sewage District ☐

*Only pay \$50 for a new wastewater treatment plant or expansion of an existing facility.

- B. All other applicants will pay the following revised fees per project type:

Type		Processing Fee	
New Wastewater Treatment Plant (except Industrial)			
(A)	Up to 500,000 gallons per day	\$1,250	<input type="checkbox"/>
(B)	Greater than 500,000 gallons per day	\$2,500	<input type="checkbox"/>
New Industrial Wastewater Treatment Plant (including pretreatment)			
(A)	Up to 500,000 gallons per day for:		
(1)	Biological or Chemical	\$1,250	<input type="checkbox"/>
(2)	Physical Treatment	\$250	<input type="checkbox"/>

(B) Greater than 500,000 gallons per day for:

- | | | | |
|-----|----------------------------------|---------|-----|
| (1) | Biological or Chemical Treatment | \$2,500 | [] |
| (2) | Physical Treatment | \$250 | [] |

Wastewater Treatment Plant Expansion:

(A) Up to fifty percent (50%) design capacity:

- | | | | |
|-----|--------------------------------------|---------|-----|
| (1) | Greater than 500,000 gallons per day | \$2,500 | [] |
| (2) | Up to 500,000 per day | \$625 | [] |

(B) Greater than fifty percent (50%) design capacity:

- | | | | |
|-----|--------------------------------------|---------|-----|
| (1) | Greater than 500,000 gallons per day | \$2,500 | [] |
| (2) | Up to 500,000 gallons per day | \$1,250 | [] |

Checks should be made payable to the **Indiana Department of Environmental Management**. Fees shall not be refundable once staff review and processing of the Permit Application has commenced.

Indiana Department of Environmental Management
Application for Water Pollution Control Facility
Construction Permit Required by 327 IAC Article 3

<p>1. Applicant (Name and Address) _____ _____ _____ Phone # _____</p> <p>3. Name of Proposed Facility _____ _____ Location of Proposed Facility _____ _____ City _____ County _____ []</p> <p>5. Permit Application for Construction, Expansion, or Modification of: (check where applicable)</p> <p>A. Municipal Collection Facility []</p> <p>B. Semipublic Collection Facility []</p> <p>C. Municipal Treatment Facility []</p> <p>D. Semipublic Treatment Facility []</p> <p>E. Industrial or Commercial Treatment Facility</p> <p>F. Coal Mine Sedimentation Basin []</p> <p>G. Other Specify _____ _____ []</p> <p>* New Facility []</p> <p>* Expansion or modification of Existing Facility</p>	<p>2. Applicant's Engineer Name _____ Company Name _____ Address _____ _____ Phone # _____</p> <p>4. ATTACHMENT CHECKLIST: <u>Industrial Wastewater Treatment</u> The following Documents are attached: A. Industrial Wastewater Design Summary [] B. Wastewater Allocation Checklist (Acceptance/Capacity Letter from Municipality or Sanitary District) [] C. Plans and Specifications [] D. Non-refundable Application Fee (do not send cash) * E. List of Potentially Affected persons or parties []</p> <p>*Fully identify all persons, by name and address, who may be potentially affected by the issuance of this permit, such as adjoining landowners, persons with a propriety interest, and/or persons who have complained or submitted comments about your facility. <u>Failure to identify a potentially affected person may result in any issued permit being challenged and rendered null and void.</u></p> <p>6. Signature Application is hereby made for a Permit to Authorize the activities described herein. I certify that I am familiar with the information contained in this application, and to the best of my knowledge and belief such information is true, complete, and accurate.</p> <p>_____ Printed Name of Person Signing</p> <p>_____ Title</p> <p>_____ Signature of Applicant</p> <p>_____ Date Application Signed</p>
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Please refer to IC 13-7-13-3 for penalties of submission of false information

Project Design Summary
(Company Name)
(Location)

I. General

- A. Project Name
- B. Type of Wastes
- C. Engineer (Consultant)
- D. Receiving Stream: (if applicable state immediate point of discharge and extend to nearest major stream; i.e., Gaston sewage treatment plant, thence to Turbid Creek, thence to the Mississinewa River. Include stream miles to point where water uses may change, i.e., water supply in take at Podunk, 12 miles down stream or to Square Lake 3 miles down stream).
 - 1. Name:
 - 2. Stream uses (i.e., Agricultural, aquatic life, public water supply, industrial water supply, partial body contact, whole body contact, etc.):
 - 3. 7-day, one-10-year low flow:
- E. Receiving STP (if applicable)
 - 1. Name:
 - 2. Present hydraulic loading:
 - 3. Design capacity:
- F. Remarks
 - 1. Nature of Industry and pertinent operations involved
 - 2. Description of present situation
 - 3. Description of present facilities and outline the reason(s) for proposed facilities/modification(s)
 - 4. Description of proposed facility(s) or modification(s)
 - 5. If applicable, last paragraph should provide information as to the location of the floodplain and nearest wells and/or residences and a supporting statement of their protection.

II. Design Data

A. Flow

1. Peak:
2. Daily Maximum:
3. Daily Average:

B. Design waste strength (BOD, TSS, pH, oil and grease, individual metal ions, cyanide, phosphorous, etc., as applicable)

C. Anticipated effluent characteristics (BOD, TSS, pH, and oil and grease, individual metal ions, cyanide, phosphorous, etc., as applicable)

D. NPDES Permit limits on effluent quality or Sewer Use Ordinance

III. Proposed Treatment

(The following outline should indicate the treatment units by Roman Numerals followed by a further breakdown of stages, if necessary. Pertinent information for each unit or stage where applicable, includes number, capacity, flow detention time, surface settling rate, aeration rate, equipment, etc.) (Add a section on sludge, how handled centrifuged, etc. and include where disposed of and how much, if available.) Answer all the items applicable to the project. If none of the treatment units listed below apply to your project, please follow the format.

A. Biological

1. Preliminary Treatment

a. Grit Chamber

- (1) Type of grit chamber:
- (2) Number of units:
- (3) Size of unit:
- (4) Method of velocity control:
- (5) Velocity in the chamber:
- (6) Drain provided:

b. Comminutors

- (1) Type:
- (2) Location:
- (3) Maximum and minimum capacity:

c. Screens

- (1) Type:
- (2) Number and capacity:
- (3) Bar spacing and slope:
- (4) Method of cleaning:
- (5) Disposal of screening:

2. Primary Settling

- a. Type of clarifier:
- b. Number and size of units:
- c. Surface settling rate:
 - (1) At the design flow:
 - (2) At the influent pumping rate:
 - (3) At equalized flow rate:
- d. Detention time:
- e. Type of sludge removal mechanism:
- f. Weir overflow rate:
- g. Disposition of scum:
- h. Location of overflow weir:

3. Secondary Treatment

- a. Activated sludge
 - (1) Type of activated sludge process:
 - (2) Number and size of units:
 - (3) Detention time:
 - (4) Organic loading:
 - (5) Type of aeration equipment:
 - (6) Type and size of blowers:
 - (7) Air required:
 - (8) Air provided:
 - (9) Number and capacity of return sludge pump:
 - (10) Return sludge rate as % of design flow
 - (11) Method of return
 - (12) Ventilation in the blower room:
- b. Lagoons
 - (1) Type of lagoons: (stabilization, aeration)
 - (2) Number and size of lagoons:
 - (3) Organic loading:
 - (4) Method of aeration:
 - (5) Air provided:
 - (6) Air needed:
 - (7) Controlled discharge facilities:
 - (8) Maximum water level:
 - (9) Free board:
 - (10) Soil boring data and permeability data:
 - (11) Slope of embankment:
 - (12) Fence:
 - (13) Detention time:
 - (14) Stream gage:
- c. Physical-Chemical Processes

- (1) Type of coagulants used:
- (2) Location of coagulants injection:
- (3) Number and size of contact clarifiers:
- (4) Type of filtration:
- (5) Number and size of filters:
- (6) Filtration rate:
- (7) Backwash rate:
- (8) Number and capacity of backwash pumps:
- (9) Number and size of activated carbon columns:
- (10) Direction of flow:
- (11) Hydraulic loading to carbon columns:
- (12) Nominal residence time:
- (13) Backwash rate of carbon columns:
- (14) Carbon regeneration system-describe:

4. Final Settling

- a. Type of clarifiers:
- b. Number and size of units:
- c. Surface settling rate
 - (1) At the design flow:
 - (2) At the influent pumping rate:
- d. Detention time:
- e. Type of sludge removal mechanism:
- f. Weir overflow rate:
- g. Disposition of scum:

5. Advanced Waste Treatment

- a. Rapid Sand Filtration
 - (1) Number and size of filters:
 - (2) Filtration rate:
 - (3) Type, depth, and grain size of filter media:
 - (4) Backwash rate:
 - (5) Air scour:
 - (6) Backwash pumps (number and capacity):
 - (7) Source and capacity of backwash water:
 - (8) Holding capacity of dirty water tank:
 - (9) Disposition of dirty water:

b. Intermittent Sand Filter

- (1) Number and size of filter:
- (2) Depth and type of filter media:
- (3) Size of filter grain:
- (4) Type of flow distribution system:
- (5) Filtration rate:

c. Micro-Strainers

- (1) Number and size of strainers:
- (2) Screen material:
- (3) Filtration rate:
- (4) Backwash rate:
- (5) Number and capacity of backwash pumps:

d. Two-day lagoon with chemical addition

- (1) Number and size of lagoon cells:
- (2) Detention time:
- (3) Type of chemical:
- (4) Location of chemical injection:
- (5) Number and size of chemical feed pumps:
- (6) Capacity of chemical storage tanks:
- (7) Expected daily use of chemical (dosage and % Solution):
- (8) Post-aeration facilities:
- (9) Sludge removal facilities:

e. Nitrification System

- (1) Type of nitrification system:
- (2) ammonia loading:
- (3) Additional oxygen demand:
- (4) Air supply system:
- (5) Detention time:
- (6) Cell residence time:

6. Phosphorous Removal Facilities

- a. Type of chemical to be used:
- b. Location of chemical injection:
- c. Number and size of chemical feed pumps:
- d. Size of chemical storage tank:
- e. Capacity of spill storage:
- f. Chemical dosage:
- g. Daily chemical consumption expected:
- h. Rapid mix tank:
- i. Slow mixing equipment:

j. Other facilities-describe:

7. Disinfection

a. Type of disinfection used:

b. Size of contact tank:

c. Contact time:

d. Type of disinfectant feeders:

e. Capacity of the feeders:

f. Disinfectant dosage:

g. Scum control dosage:

h. Source of the disinfection feed water:

i. Breakwater tank for the feed water:

8. Sludge Thickening

a. Number and size of thickeners:

b. Type of sludge thickeners:

c. Hydraulic loading:

d. Solids loading:

9. Sludge Stabilization

a. Anaerobic digesters

(1) Number and size of units:

(2) Working volume:

(3) Organic loading:

(4) Hydraulic detention time:

(5) Volume per capita:

(6) Type of mixing:

(7) Heating:

b. Aerobic digesters

(1) Number and size of units:

(2) Detention time:

(3) Organic loading:

(4) Air supply:

(5) Decanting method:

10. Dewatering

- a. Sludge drying beds
 - (1) Number and size of drying beds:
 - (2) Filter area per capita:
 - (3) Under-drain system:
 - (4) Discharge location of filtrate:
 - (5) Accessibility of dry sludge removal equipment:
- b. Mechanical Dewatering
 - (1) Type of dewatering units:
 - (2) Number and size of dewatering units:
 - (3) Capacity of dewatering units:
 - (4) Daily solids production for dewatering:

11. Sludge Disposal

- a. Ultimate disposal method of sludge:
- b. Expected solids content of sludge (by the principal method of disposal):
- c. Location of disposal site:
- d. Ownership of the disposal site:
- e. Availability of sludge transport equipment:

12. Lift stations

- a. Location:
- b. Type of pump:
- c. Number of pumps:
- d. Constant or variable speed:
- e. Capacity of pumps:
- f. RPM and TDH:
- g. Volume of wet well:
- h. Detention time in the wet well:
- i. A gate valve and check valve in the discharge line:
- j. A gate valve on suction line:
- k. Ventilation:
- l. Standby power:
- m. Alarm:
- n. Bypass or overflow:

13. Sewer

- a. Type of sewer material:
- b. Diameter and length of sewer and force main (indicate length for each size):
- c. Stream, highway, and railroad crossing:
- d. Water main protection:

14. Miscellaneous

- a. Laboratory equipment:
- b. Safety equipment:
- c. Plant site fence:
- d. Handrails for the tanks:
- e. Units, unit operation, and plant bypasses:
- f. Flood elevation (10, 25, or 100 year flood):
- g. Provisions to maintain the same degree of treatment during construction:
- h. Standby power equipment:
- i. Flow meters:
 - (1) Type:
 - (2) Location:
 - (3) Indicating, recording and totalizing:

B. Gravity Oil/Water Separation

- 1. Flow basis
 - a. Process waste:
 - b. Contaminated runoff:
 - Area of runoff:
 - Runoff coefficient:
 - Volume based on one in 10-year return storm of 1 hour duration:
 - Volume based on one in 10-year return storm of 24 hour duration:

2. Oil water separation(s)
 - a. Type:
 - b. Number of units:
 - c. Dimensions:
 - d. Working volume:
 - e. Retention time:
 - f. Surface rise rate:
 - g. Horizon velocity:
 - h. Weir length and loading:
 - i. Method of oil skimming:
 - j. Methods of solids removal:
 - k. Oil disposal:
 - l. Solids dewatering and disposal (same information as III-A-10 and II):

3. Oil Holding Tank(s)
 - a. Number:
 - b. Dimensions:
 - c. Working volume:
 - d. Alarms:
4. Lift station(s) or sump(s) (same information as II-A-12):
5. Sewer(s) (same information as III-A-13):

C. Solids/Water Separation

1. Flow Basis
 - a. Process waste:
 - b. Contaminated runoff:
 - Area of runoff:
 - Runoff coefficient:
 - Volume based on one in 10-year return storm of 1 hour duration:
 - Volume based on one in 10-year return storm of 24 hour duration:
2. Solids settling rate:
3. Clarifiers

- a. Type of tank or basin:
 - b. Dimensions:
 - c. Working volume:
 - d. Retention time:
 - e. Surface settling rate:
 - f. Weir loading:
 - g. Material of construction:
 - h. If earthen-
 - Embankment slope:
 - Berm width:
 - Soil seating:
 - Depth of groundwater:
 - i. Type of sludge removal:
 - j. Scum removal:
- 4. Sludge dewatering method (same information as III-A-10):
 - 5. Sludge disposal (same information as III-A-11):
 - 6. Lift station(s) or sump(s) (same information as III-A-12):
 - 7. Sewer(s) (same information as III-A-13):

D. Chemical Treatment

- 1. Chrome reduction, cyanide destruction and neutralization:
 - a. Number of stages:
 - b. Material construction of stages:
 - c. Dimensions of each stage:
 - d. Working volume of each stage:
 - e. Retention time(s):
 - f. Agitation:
 - Type:
 - Design specifications:
 - g. Controls (ORP, pH, level)

- Type(s):
- Location(s):

- h. Sumps and pumps (same information as III-A-12):
- i. Sewers (same information as III-A-13):
- j. Chemical feed

- Type of chemical:
- Method and location of feed:
- Equipment (pumps, mixing tanks, level controls, etc.):

2. Oil emulsion breaking

- a. Method:
- b. Number of stages:
- c. Dimensions of tanks:
- d. Working volume of tanks:
- e. Retention time:
- f. Chemical feed

- Types of chemical(s):
- Method and location of feed:
- Equipment (pumps, mixing tanks, level controls, etc.):

- g. Controls (pH, level)

- Type:
- Location:

- h. Agitation

- Types:
- Design specifications:

- i. Sumps and pumps (same information as III-A-12):
- j. Sewers (same information as III-A-13):

3. Clarification (same information as III-A-4):

4. Sludge dewatering and disposal (same information as III-A-10 and 11):

5. Filtration (same information as III-A-5a, 5b, or 5c):

E. Groundwater Treatment

1. Recovery Well

- a. Well depth
 - b. Screen
 - i. Length:
 - ii. Number:
 - iii. Material:
 - c. Casing
 - i. Diameter:
 - ii. Material:
 - d. Pumps
 - i. Type:
 - ii. Number:
 - iii. Capacity:
 - iv. Material of construction:
 - v. Discharge pipe diameter:
2. Groundwater piping system
- a. Type of sewer material:
 - b. Diameter and length of sewer:
 - c. Stream, highway, and railroad crossing:
 - d. Water main protection:
3. Activated carbon adsorption system
- a. Number of units:
 - b. Mode of operation:
 - c. Maximum flow rate capacity:
 - d. Diameter and height of each unit:
 - e. Filtration rate:
 - f. Pounds of carbon per column:
 - g. Backwash flow rate (if applicable):
 - h. Disposition of backwash water:

4. Air Stripping Tower
 - a. Number of units:
 - b. Dimensions of each unit:
 - c. Type and efficiency unit:
 - d. Aeration rate:
 - e. Rated capacity of unit:
 - f. Type and capacity of stripper:

IDENTIFICATION OF POTENTIALLY AFFECTED PERSONS

Please list here any and all persons whom you have reason to believe have a substantial or proprietary interest in this matter, or could otherwise be considered to be potentially affected under law. Failure to notify a person who is later determined to be potentially affected could result in voiding our decision on procedural grounds.

To ensure conformance with Administrative Adjudication Act (AAA) and to avoid reversal of a decision, please list all such parties. The letter on the opposite side of this form will further explain the requirements under the AAA. Attach additional names and addresses on a separate sheet of paper, as needed. Please indicate below the type of Agency action you are requesting.

NAME _____
STREET _____
CITY, STATE, ZIP _____

NAME _____
STREET _____
CITY, STATE, ZIP _____

NAME _____
STREET _____
CITY, STATE, ZIP _____

NAME _____
STREET _____
CITY, STATE, ZIP _____

NAME _____
STREET _____
CITY, STATE, ZIP _____

NAME _____
STREET _____
CITY, STATE, ZIP _____

NAME _____
STREET _____
CITY, STATE, ZIP _____

NAME _____
STREET _____
CITY, STATE ZIP _____

NAME _____
STREET _____
CITY, STATE, ZIP _____

NAME _____
STREET _____
CITY, STATE, ZIP _____

Please complete this form by signing the following statement:

I certify that to the best of my knowledge I have all potentially affected parties, as defined by IC 4-21.5.

FACILITY NAME _____

ADDRESS _____

SIGNATURE _____
PRINTED NAME _____
DATE _____

FOR CONSTRUCTION PERMIT 327 IAC 3

FOR CONSTRUCTION PERMIT 327 IAC 3

To: Applicant

Subject: Identification of Potentially Affected Persons

The Administrative Adjudication Act, IC 4-21-5, requires that the Department of Environmental Management (DEM) give notice of its decision on your application to the following persons:

- * each person to whom the decision is specifically directed:
- * each person to whom a law requires notice be given:
- * each competitor who has applied to the DEM for a mutually exclusive license, if issuance is the subject of the decision and the competitor's application has not been denied in an order for which all rights to judicial review have been waived or exhausted:
- * each person who has provided the DEM with written request for notification of the decision:
- * each person who has a substantial and direct proprietary interest in the issuance of the (permit) (variance):
- * each person whose absence as a party in the proceeding concerning the (permit) (variance) decision would deny another party complete relief in the proceeding or who claims an interest related to the issuance of the (permit) (variance) and is so situated that the disposition of the matter, in the person's absence may:
 - (1) as a practical matter impair or impede the person's ability to protect that interest, or
 - (2) leave any other person who is a party to a proceeding concerning the permit subject to a substantial risk of incurring multiple or otherwise inconsistent obligations by reason of the person's claimed interest.

IC 4-21.5-3-5(f) provides that we may request your assistance in identifying these people. Our failure to properly identify and notify these people of the decision could have the result of voiding any decision which is made.